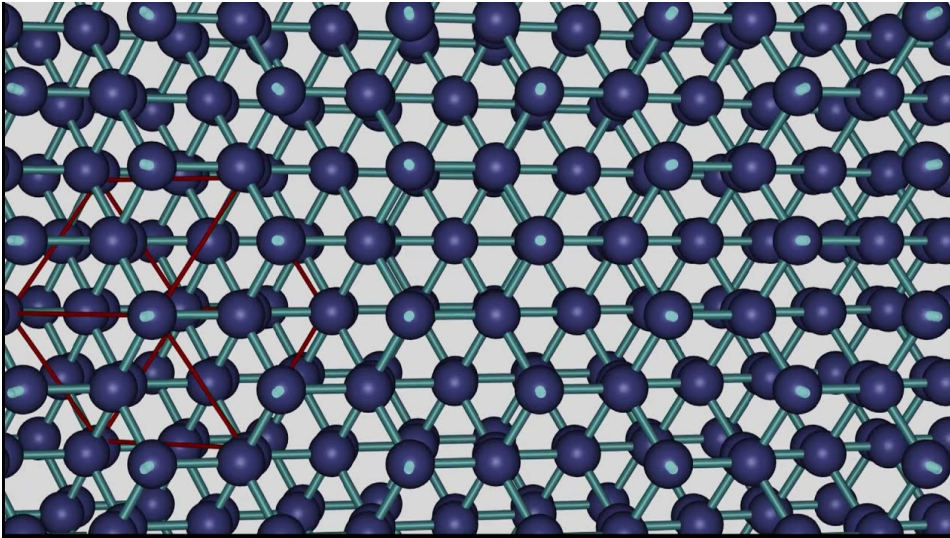
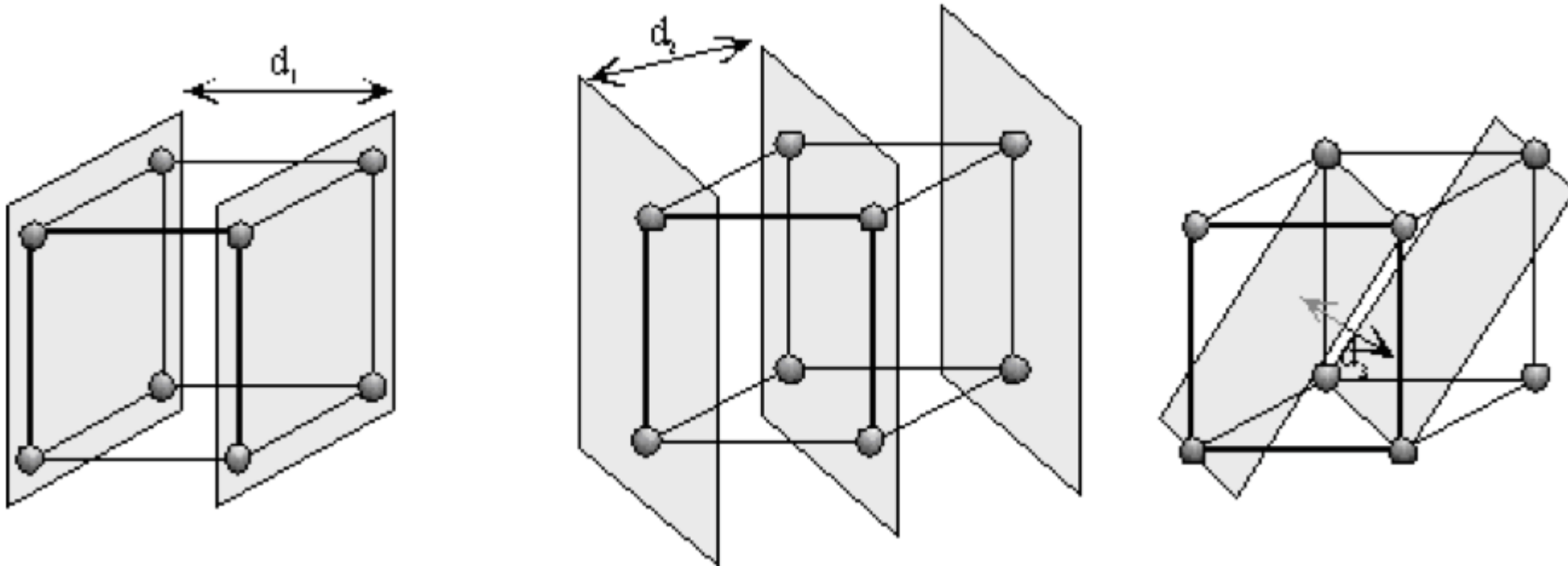
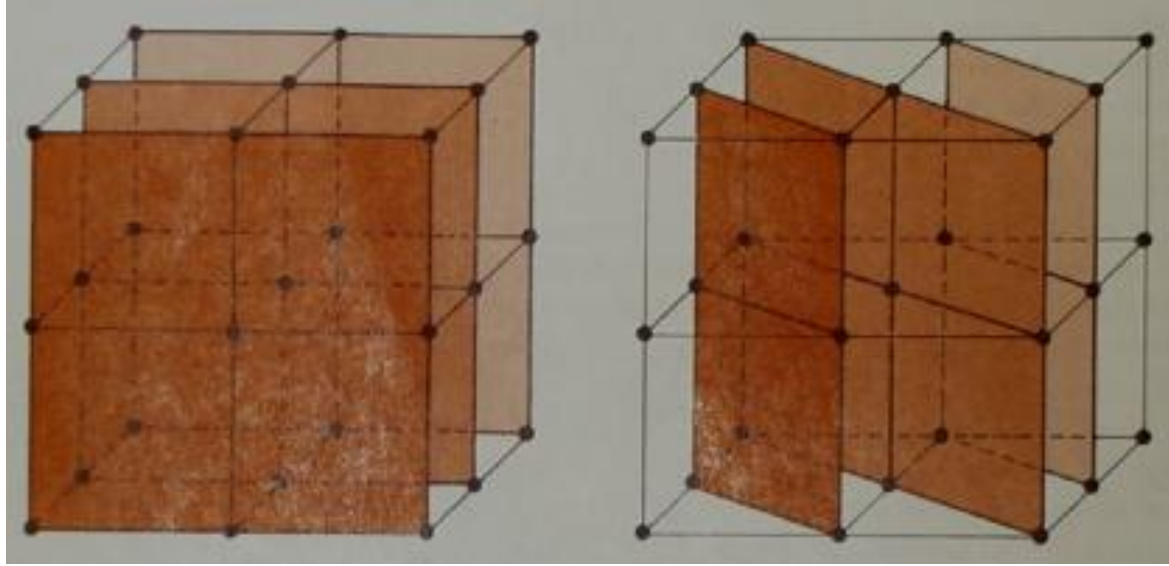


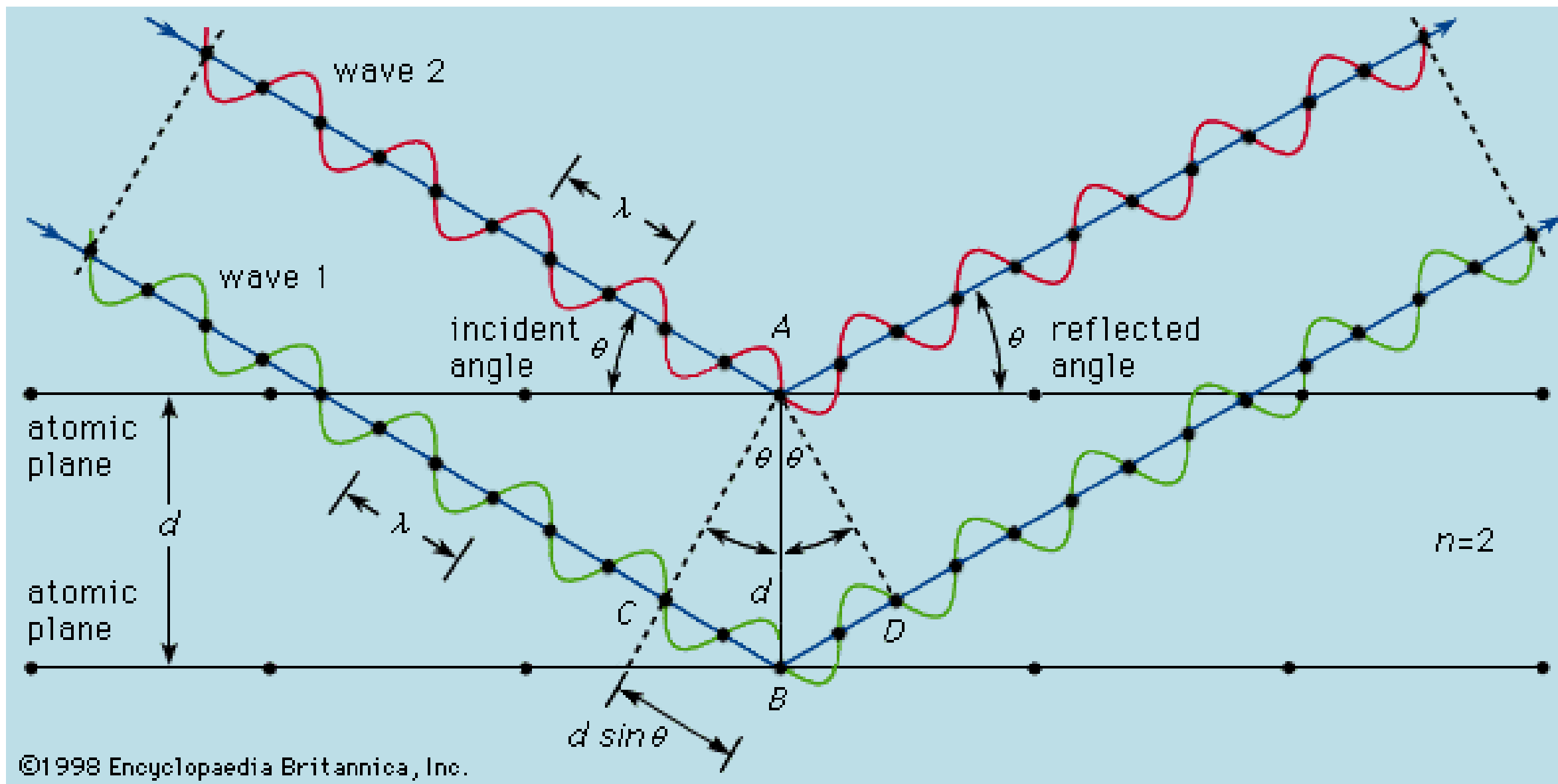
Most Solids are Made Up of Regular Arrays of Atoms: Crystal



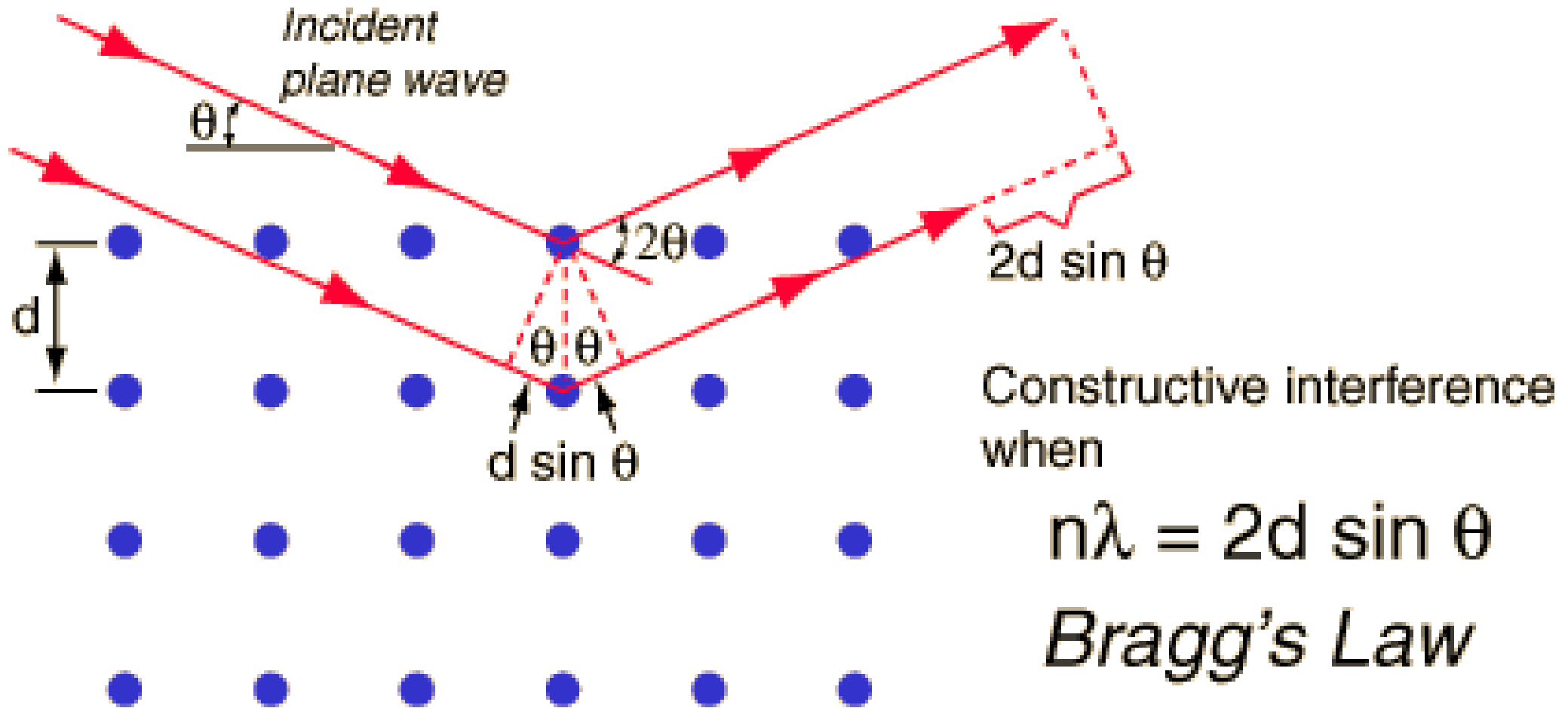
Bragg Diffraction Planes



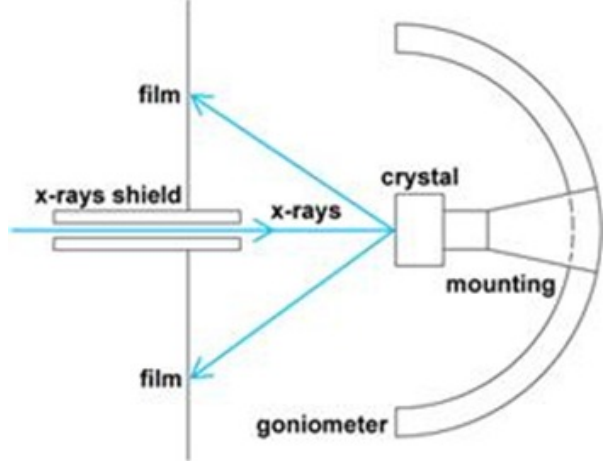
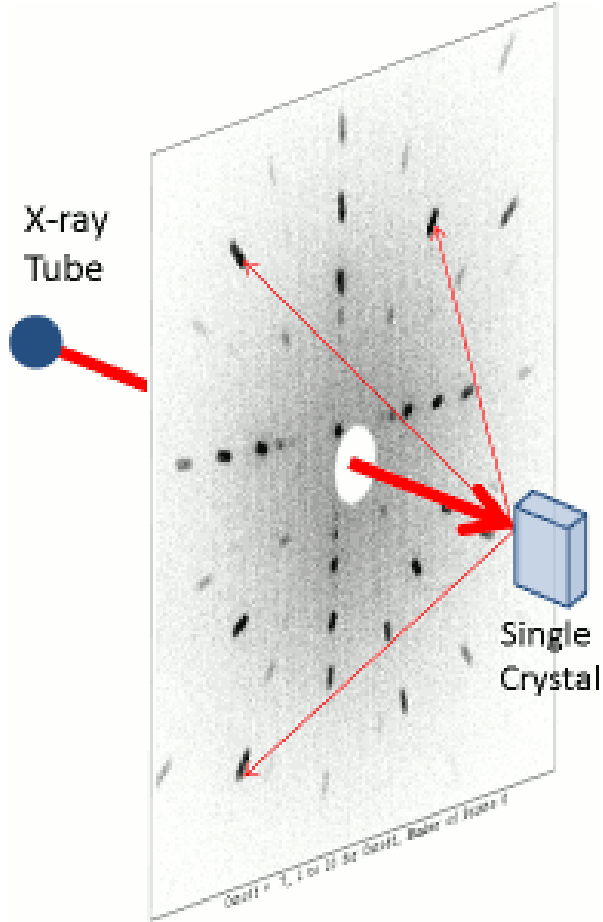
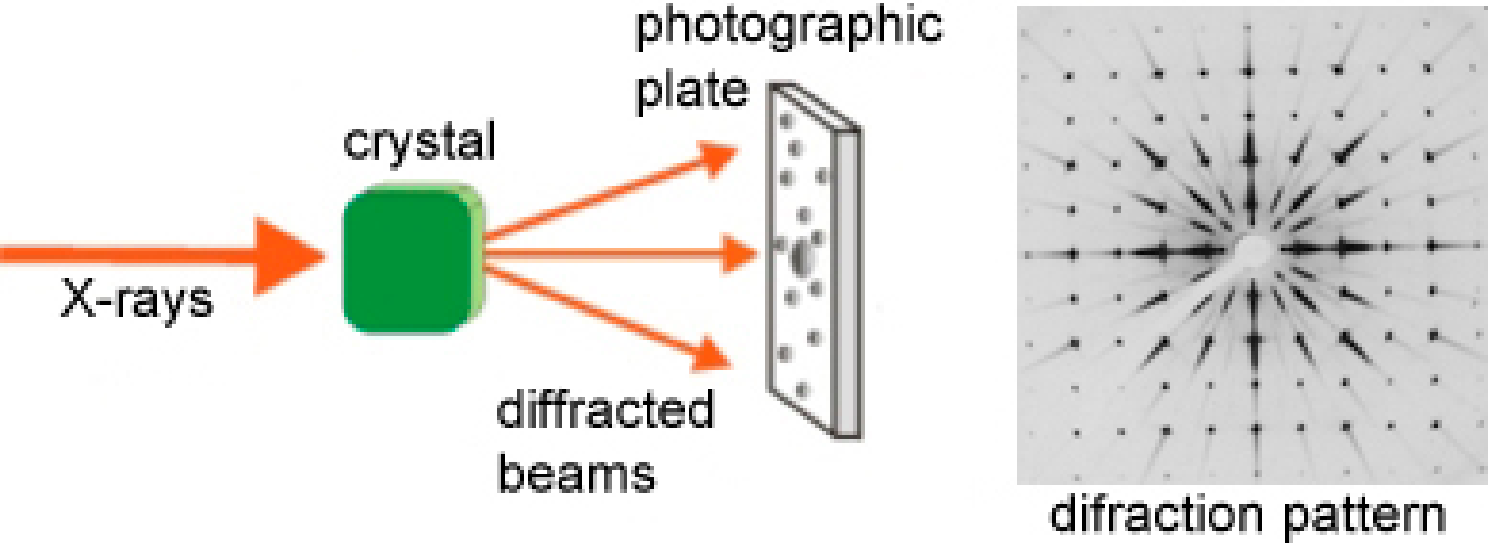
Bragg Diffraction Condition



Bragg Diffraction Condition

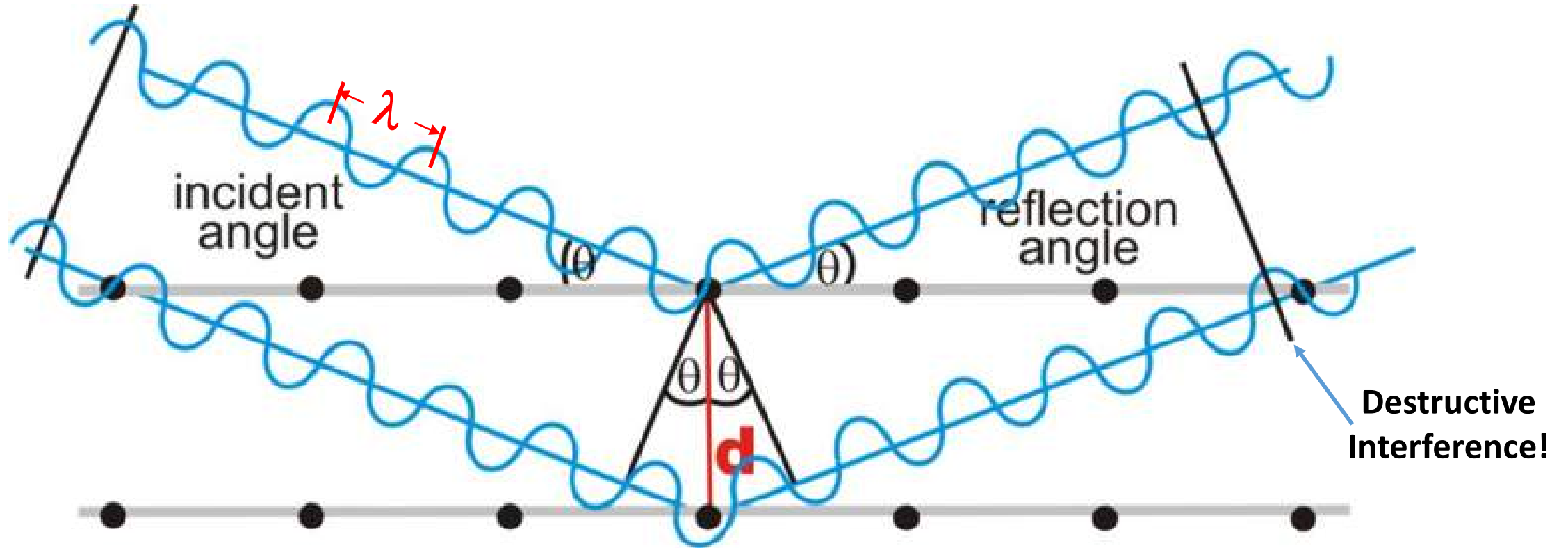


Laue Diffraction of Crystals



Bragg Diffraction Condition

(Destructive Interference case!)



Note that the wave undergoes $3/2$ of a wavelength oscillation